

Declare str1 : String

Declare i, j, count, max : Integer

Declare char1, char2, thischar : Char

str1 = ""

char1 = ""

char2 = ""

thischar = ""

i = 0

j = 0

count = 0

max = 0

Input "enter string to process : ", str1

For i <- 1 To Len(str1)

    count = 0

    char1 <- Mid(str1, i, 1)

    For j <- 1 To Len(str1)

        char2 <- Mid(str1, j, 1)

        If char2 = char1 Then

            count <- count + 1

        End If

    Next

    If count > max Then

        max <- count

        thischar <- char1

    End If

Next

Output "the character that appeared the most is: " , thischar

Output " it is repeated:", max ,"times."